Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051623\
Data File : BN025444.D
Acq On : 16 May 2023 15:36
Operator : CG/JU
Sample : PB152832BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Quant Time: May 17 03:32:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 17 02:52:36 2023
Response via : Initial Calibration

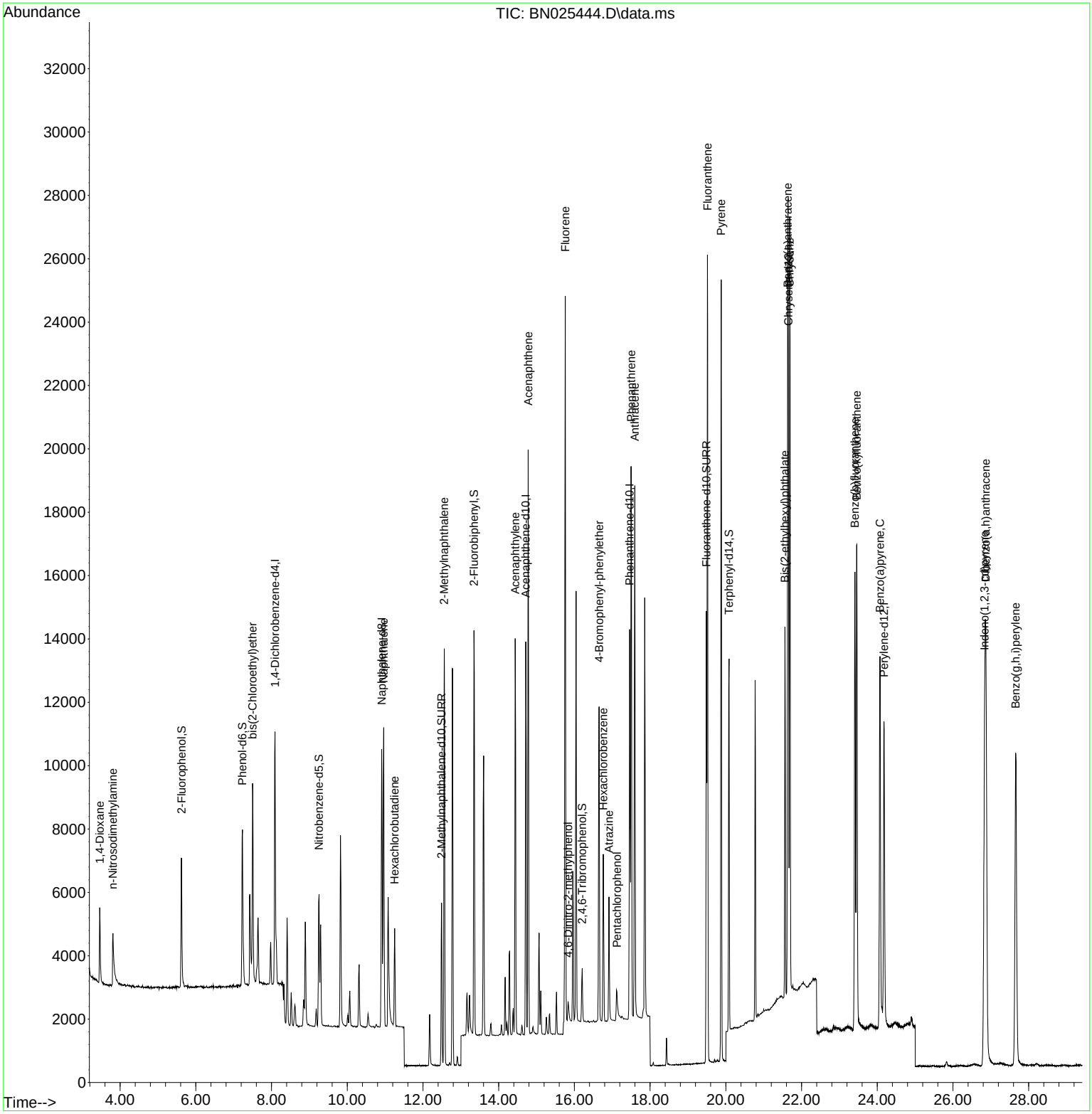
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.092	152	4008	0.400	ng		0.00
7) Naphthalene-d8	10.910	136	11481	0.400	ng		0.00
13) Acenaphthene-d10	14.716	164	6858	0.400	ng		0.00
19) Phenanthrene-d10	17.460	188	15470	0.400	ng		0.00
29) Chrysene-d12	21.652	240	12720	0.400	ng		0.00
35) Perylene-d12	24.179	264	13636	0.400	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.622	112	3779	0.439	ng		0.00
5) Phenol-d6	7.232	99	4989	0.432	ng		0.00
8) Nitrobenzene-d5	9.255	82	3619	0.461	ng		0.00
11) 2-Methylnaphthalene-d10	12.491	152	6901	0.430	ng		0.00
14) 2,4,6-Tribromophenol	16.206	330	1036	0.446	ng		0.00
15) 2-Fluorobiphenyl	13.347	172	11745	0.468	ng		-0.01
27) Fluoranthene-d10	19.486	212	15421	0.419	ng		0.00
31) Terphenyl-d14	20.085	244	10323	0.447	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.462	88	1756	0.468	ng		98
3) n-Nitrosodimethylamine	3.809	42	1541	0.338	ng	#	98
6) bis(2-Chloroethyl)ether	7.500	93	5555	0.368	ng		99
9) Naphthalene	10.963	128	12766	0.446	ng		100
10) Hexachlorobutadiene	11.252	225	2480	0.442	ng	#	100
12) 2-Methylnaphthalene	12.563	142	9191	0.436	ng		100
16) Acenaphthylene	14.438	152	13894	0.439	ng		100
17) Acenaphthene	14.780	154	8738	0.445	ng		99
18) Fluorene	15.759	166	11685	0.452	ng		98
20) 4,6-Dinitro-2-methylph...	15.834	198	944	0.496	ng		83
21) 4-Bromophenyl-phenylether	16.653	248	3985	0.444	ng		99
22) Hexachlorobenzene	16.765	284	3730	0.448	ng		98
23) Atrazine	16.914	200	3162	0.419	ng		100
24) Pentachlorophenol	17.125	266	888	0.422	ng		99
25) Phenanthrene	17.497	178	19313	0.444	ng		100
26) Anthracene	17.596	178	17951	0.426	ng		100
28) Fluoranthene	19.515	202	22156	0.430	ng		99
30) Pyrene	19.878	202	22423	0.462	ng		100
32) Benzo(a)anthracene	21.634	228	20065	0.449	ng		99
33) Chrysene	21.688	228	21225	0.478	ng		99
34) Bis(2-ethylhexyl)phtha...	21.563	149	10887	0.416	ng		100
36) Indeno(1,2,3-cd)pyrene	26.837	276	24107	0.437	ng	#	85
37) Benzo(b)fluoranthene	23.410	252	20299	0.425	ng		100
38) Benzo(k)fluoranthene	23.460	252	21436	0.437	ng		99
39) Benzo(a)pyrene	24.074	252	19048	0.418	ng		100
40) Dibenzo(a,h)anthracene	26.869	278	19676	0.445	ng		98
41) Benzo(g,h,i)perylene	27.658	276	21014	0.450	ng		99

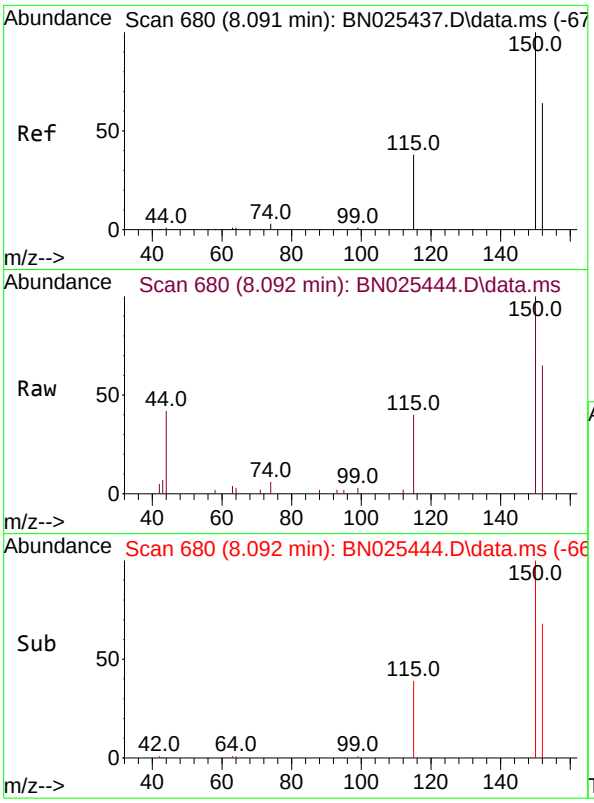
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051623\
Data File : BN025444.D
Acq On : 16 May 2023 15:36
Operator : CG/JU
Sample : PB152832BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Quant Time: May 17 03:32:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 17 02:52:36 2023
Response via : Initial Calibration



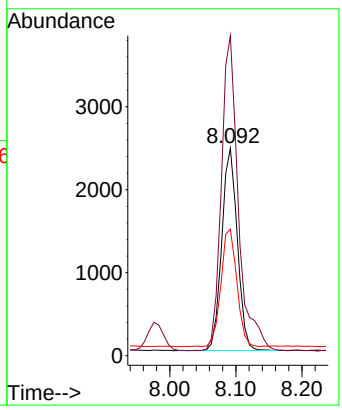


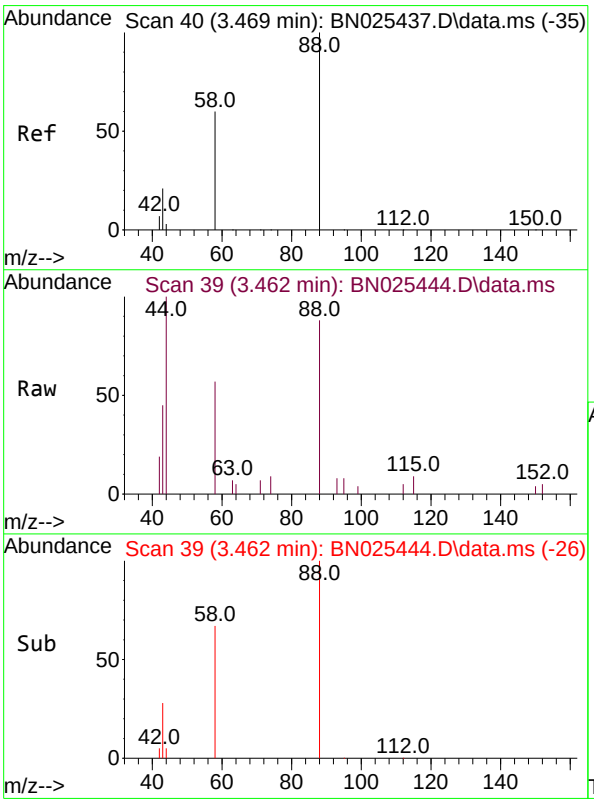
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.092 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:152 Resp: 4008

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.7	185.5
115	61.0	50.0	75.0

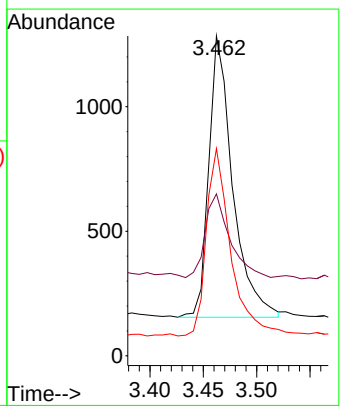


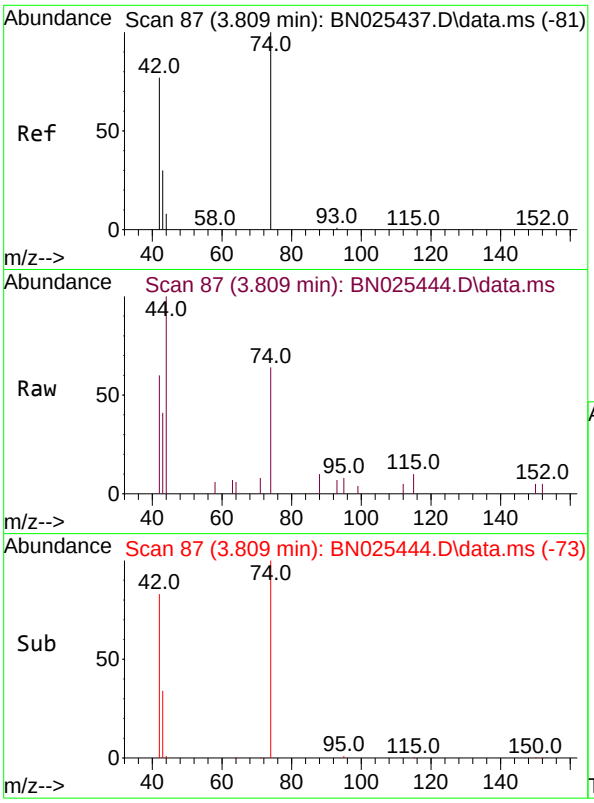


#2
1,4-Dioxane
Concen: 0.468 ng
RT: 3.462 min Scan# 39
Delta R.T. -0.007 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion: 88 Resp: 1756

Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.1	37.7
58	68.1	55.5	83.3



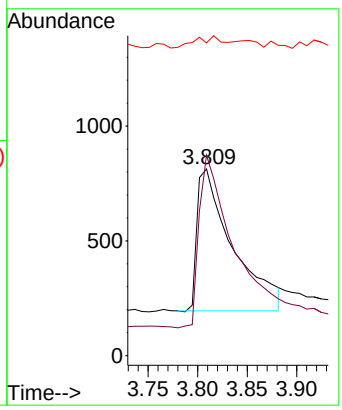


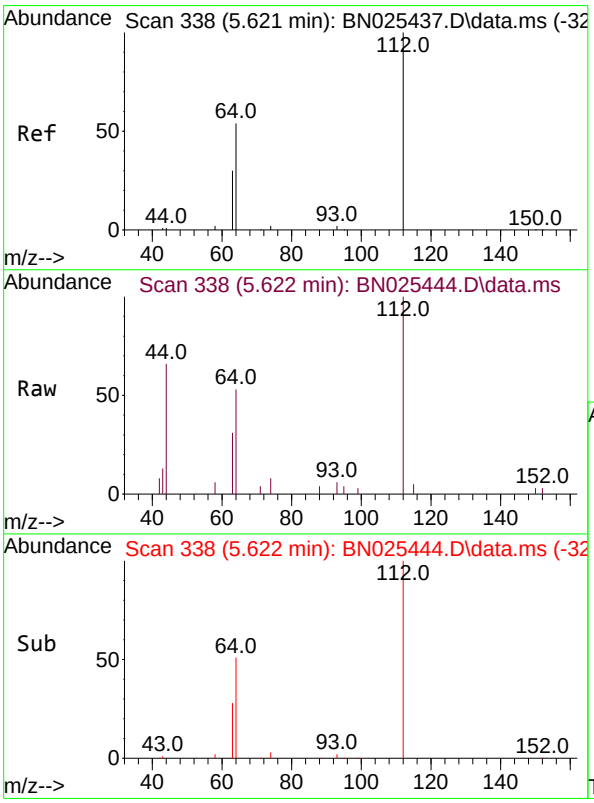
#3
n-Nitrosodimethylamine
Concen: 0.338 ng
RT: 3.809 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion: 42 Resp: 1541

Ion	Ratio	Lower	Upper
42	100		
74	122.6	100.1	150.1
44	3.3	0.0	0.0#

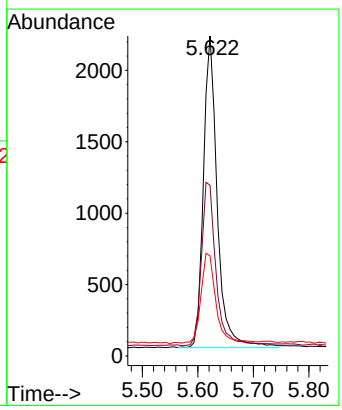


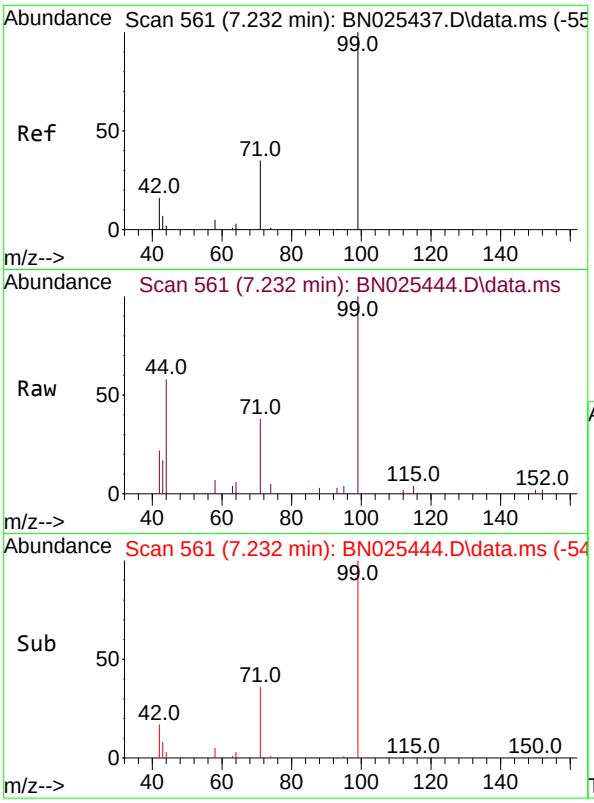


#4
2-Fluorophenol
Concen: 0.439 ng
RT: 5.622 min Scan# 338
Delta R.T. 0.001 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:112 Resp: 3779

Ion	Ratio	Lower	Upper
112	100		
64	55.5	43.9	65.9
63	31.8	25.0	37.4



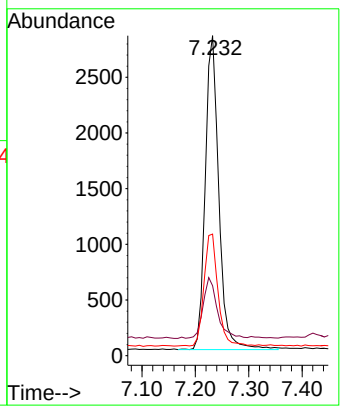


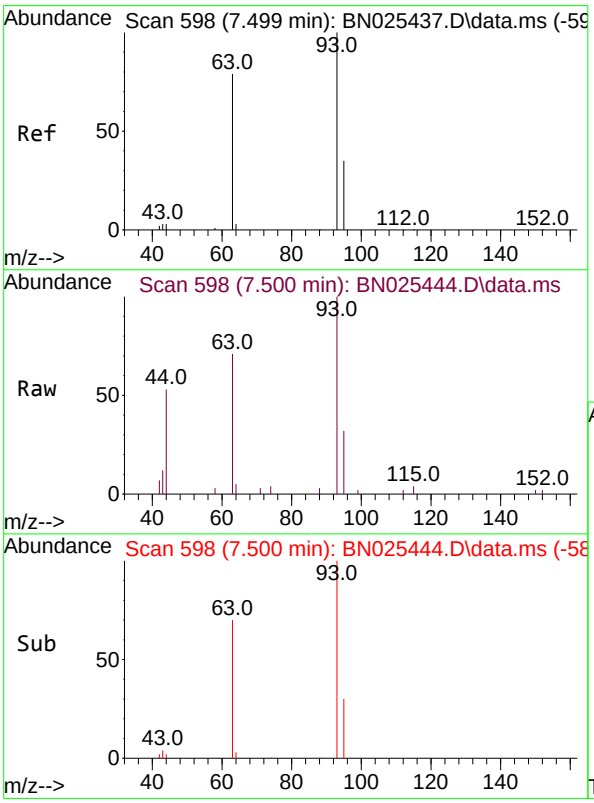
#5
Phenol-d6
Concen: 0.432 ng
RT: 7.232 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion: 99 Resp: 4989

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.4	24.6
71	36.9	29.4	44.0

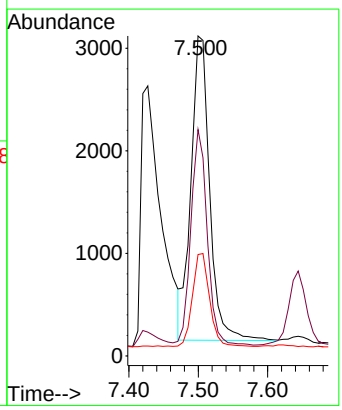


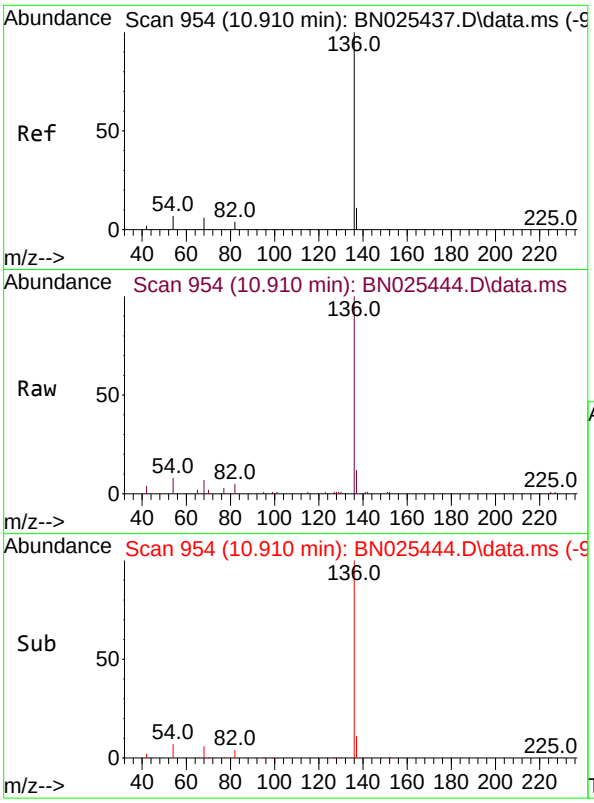


#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.500 min Scan# 598
Delta R.T. 0.001 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion: 93 Resp: 5555

Ion	Ratio	Lower	Upper
93	100		
63	61.7	48.5	72.7
95	27.8	22.0	33.0



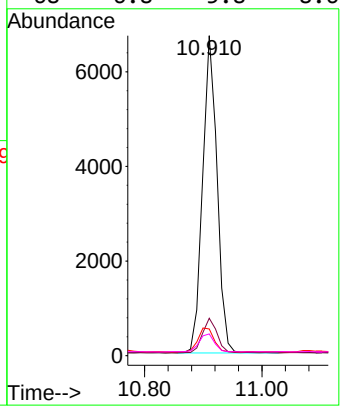


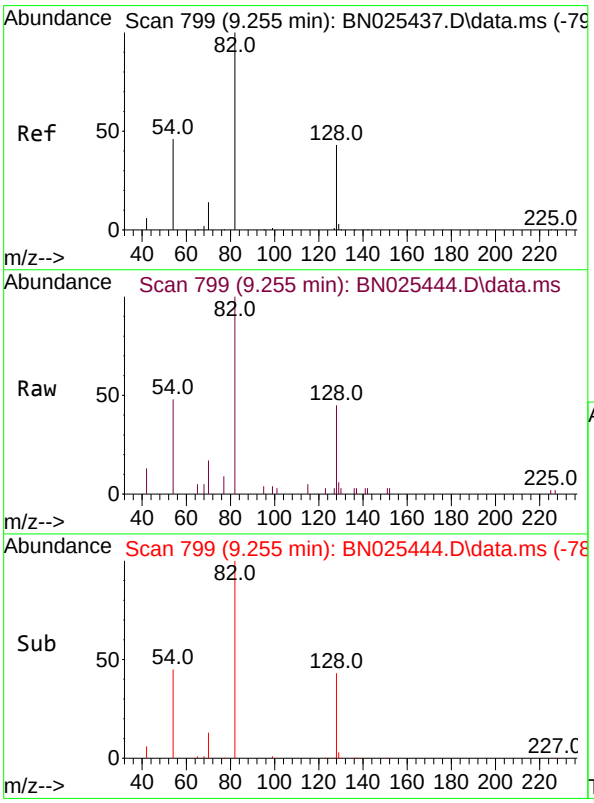
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.910 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:136 Resp: 11481

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	8.4	7.0	10.4
68	6.8	5.8	8.6

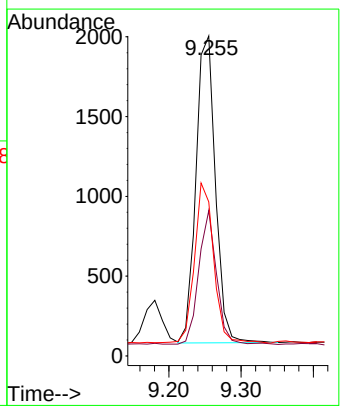


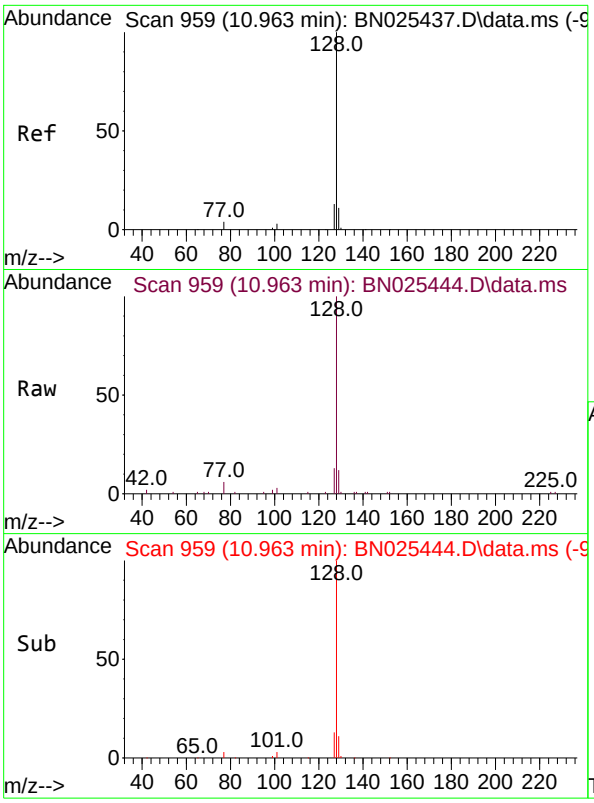


#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 9.255 min Scan# 799
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion: 82 Resp: 3619

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.7	53.5
54	48.2	38.6	57.8



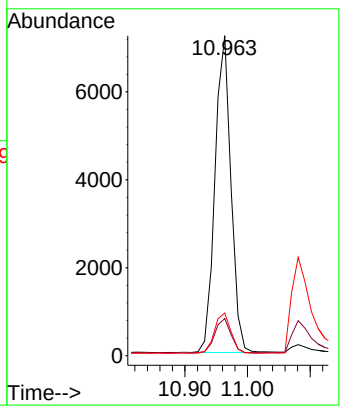


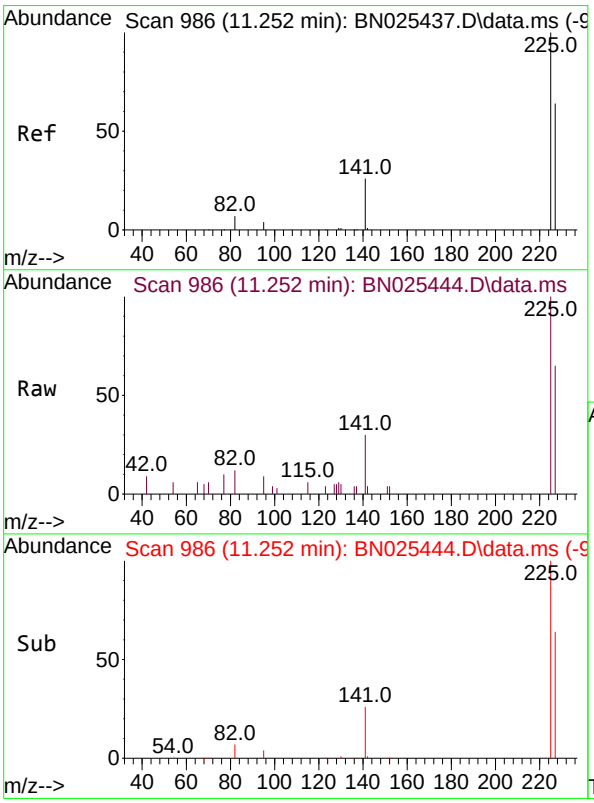
#9
Naphthalene
Concen: 0.446 ng
RT: 10.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:128 Resp: 12766

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.3	10.6	16.0

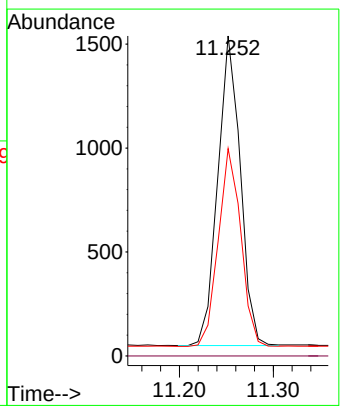


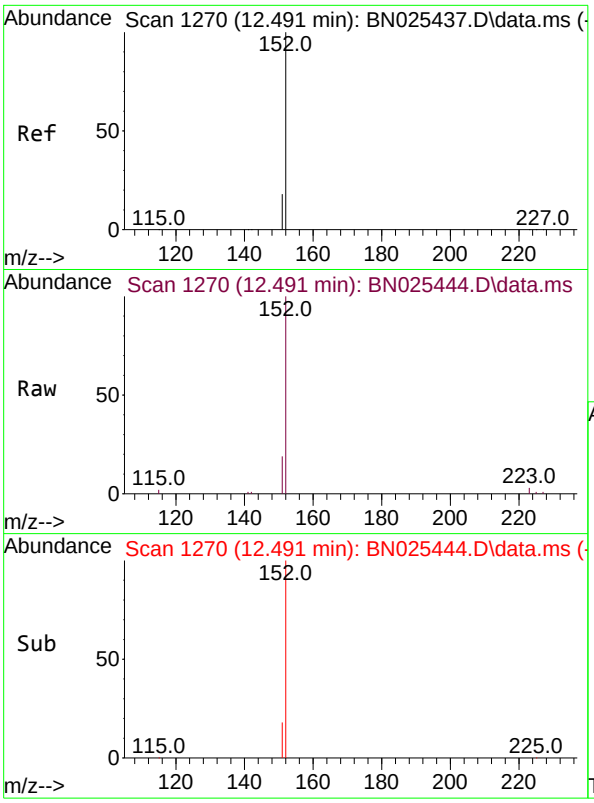


#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 11.252 min Scan# 986
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:225 Resp: 2480

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



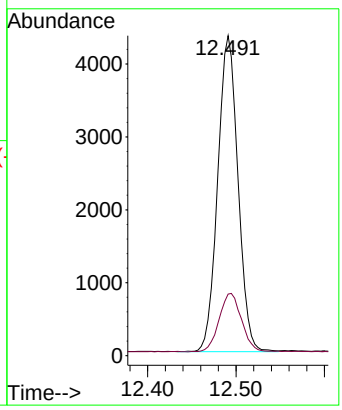


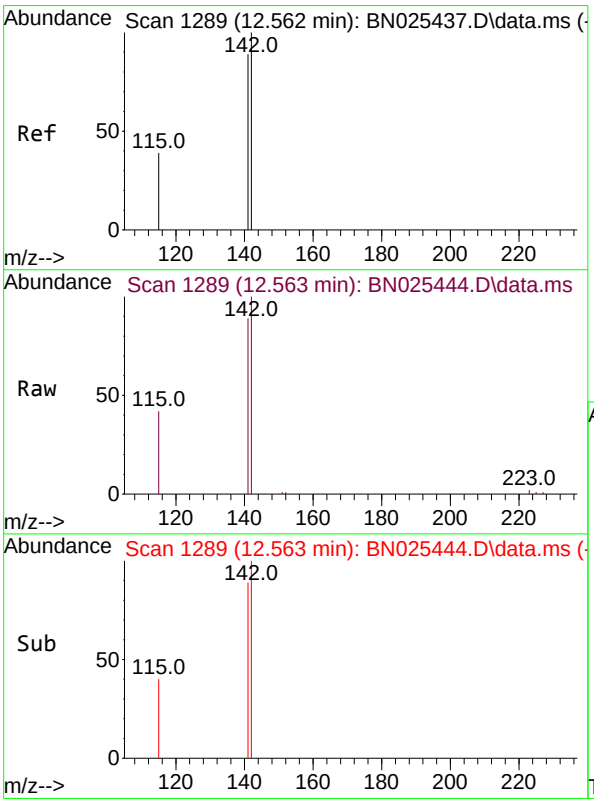
#11
2-Methylnaphthalene-d10
Concen: 0.430 ng
RT: 12.491 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:152 Resp: 6901

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

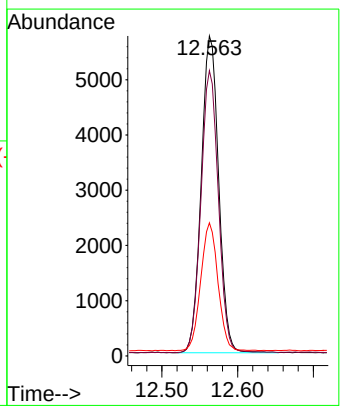


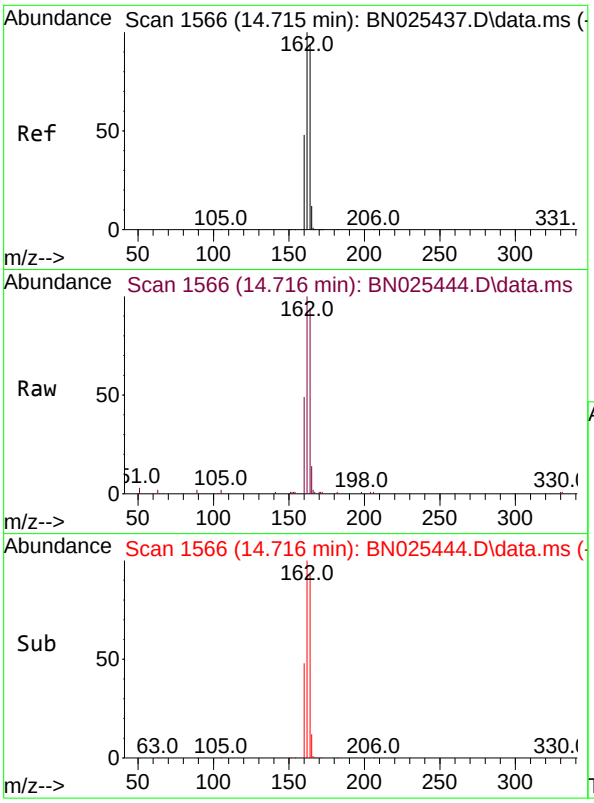


#12
2-Methylnaphthalene
Concen: 0.436 ng
RT: 12.563 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:142 Resp: 9191

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.0
115	41.6	32.6	48.8



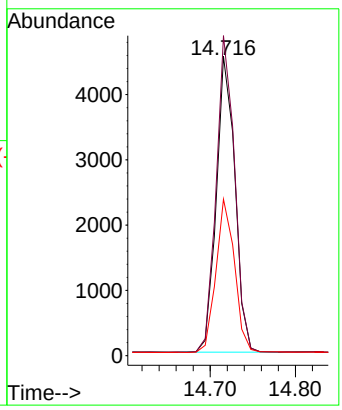


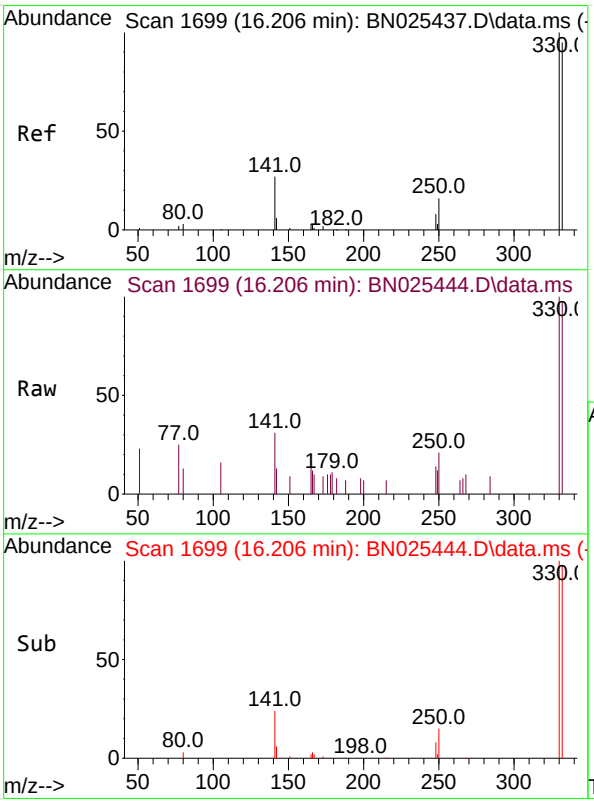
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:164 Resp: 6858

Ion	Ratio	Lower	Upper
164	100		
162	106.9	84.8	127.2
160	52.3	40.6	61.0

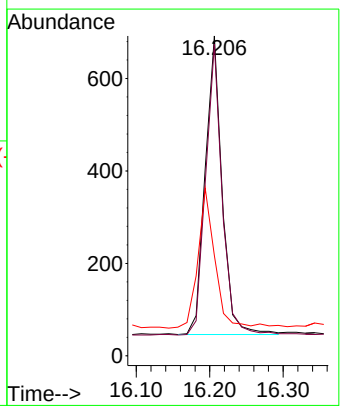


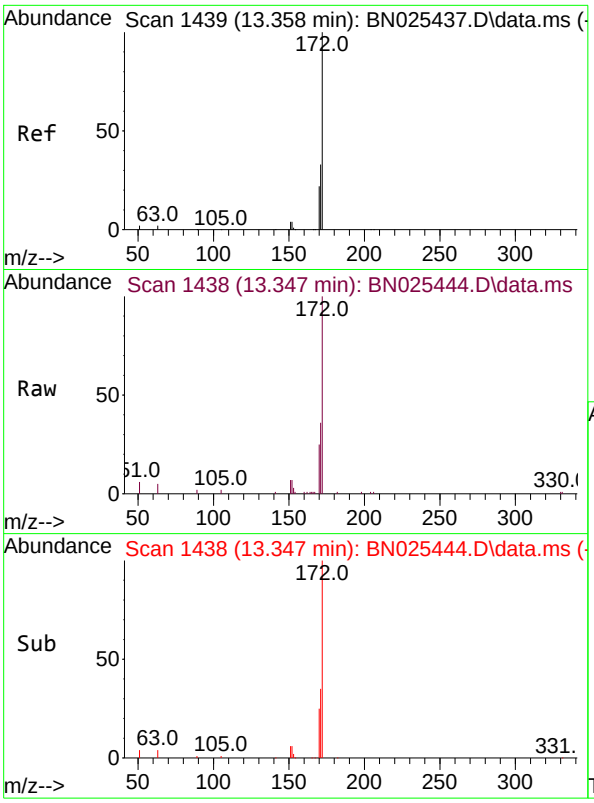


#14
2,4,6-Tribromophenol
Concen: 0.446 ng
RT: 16.206 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:330 Resp: 1036

Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.5	113.3
141	46.2	35.3	52.9



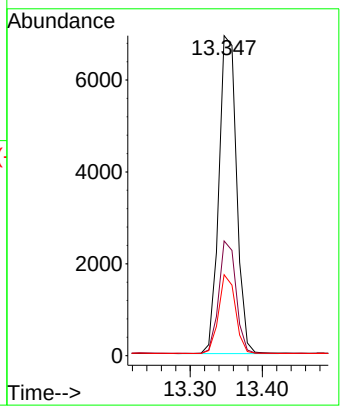


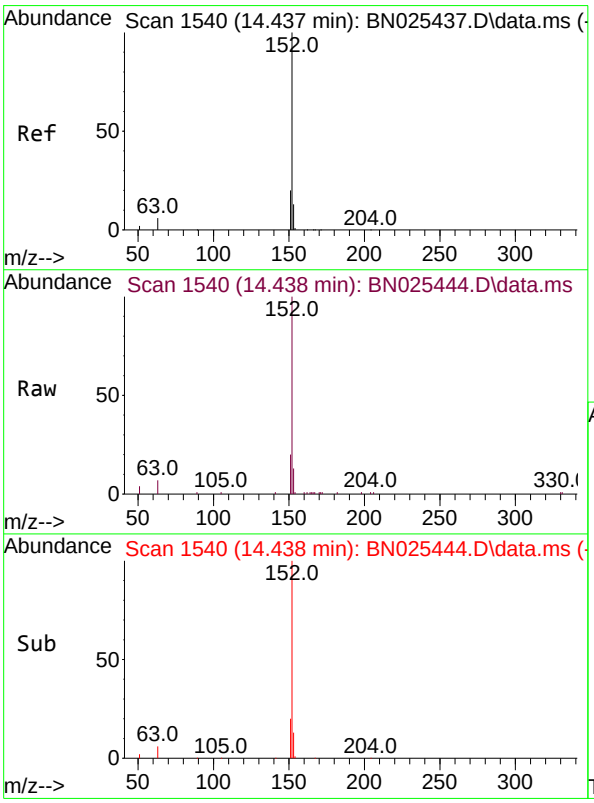
#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 13.347 min Scan# 14
Delta R.T. -0.010 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:172 Resp: 11745

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.0	40.6
170	25.3	18.2	27.2

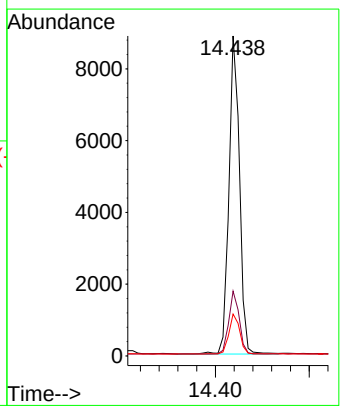


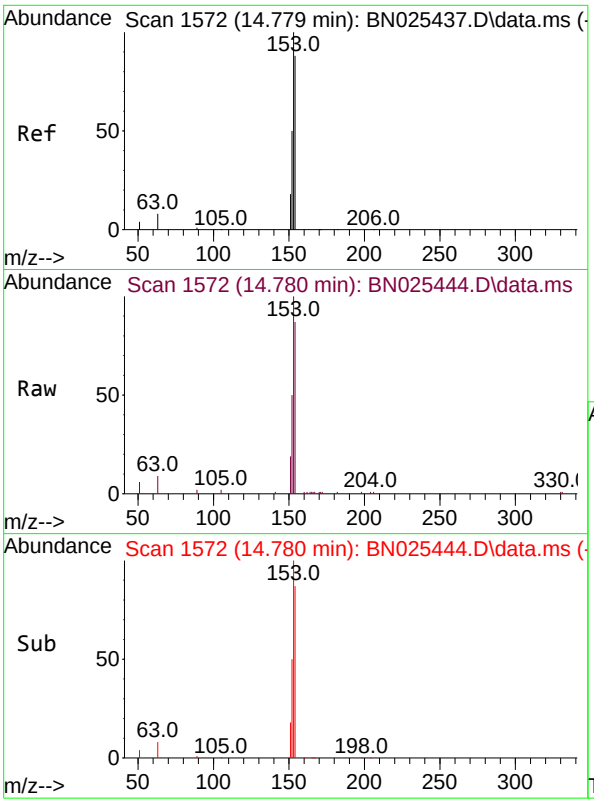


#16
Acenaphthylene
Concen: 0.439 ng
RT: 14.438 min Scan# 1540
Delta R.T. 0.001 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:152 Resp: 13894

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.1	10.4	15.6



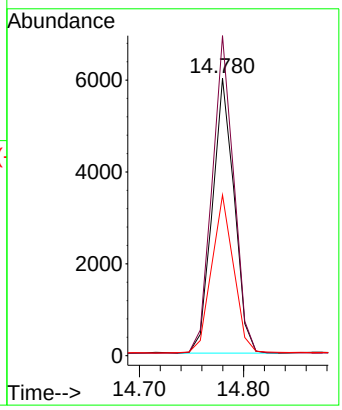


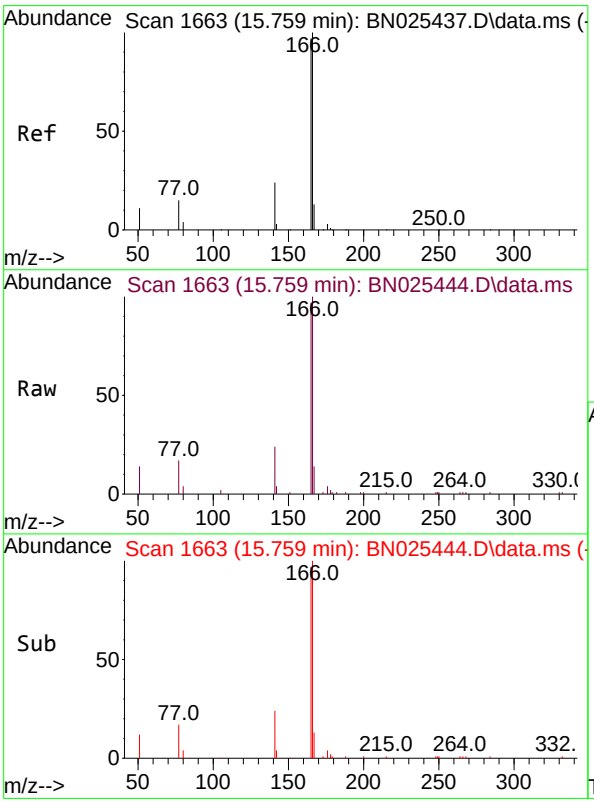
#17
Acenaphthene
Concen: 0.445 ng
RT: 14.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:154 Resp: 8738

Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.6	135.8
152	58.1	45.7	68.5

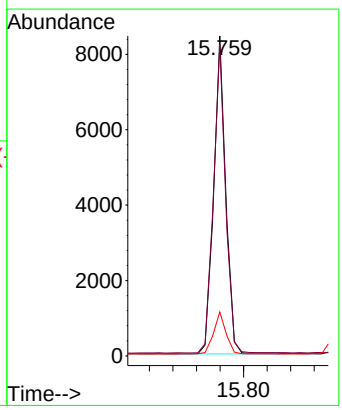


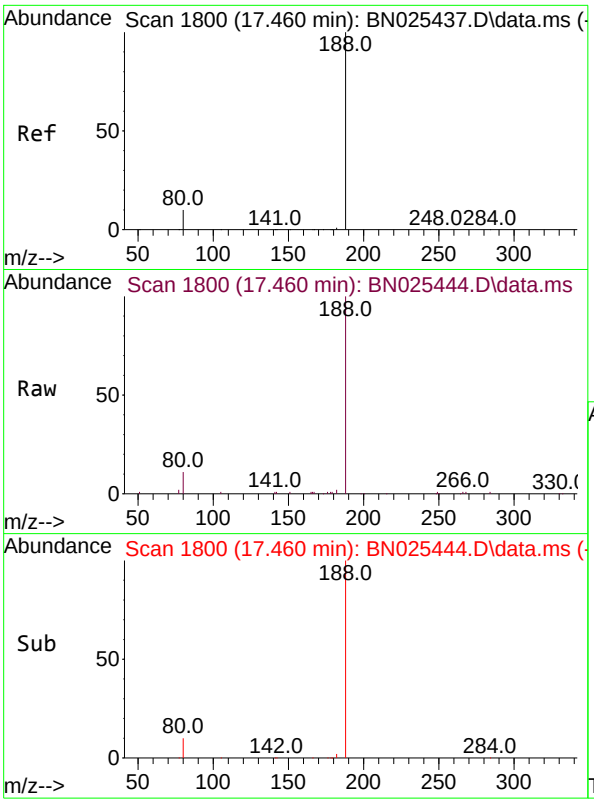


#18
Fluorene
Concen: 0.452 ng
RT: 15.759 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:166 Resp: 11685

Ion	Ratio	Lower	Upper
166	100		
165	98.4	76.7	115.1
167	13.3	10.5	15.7



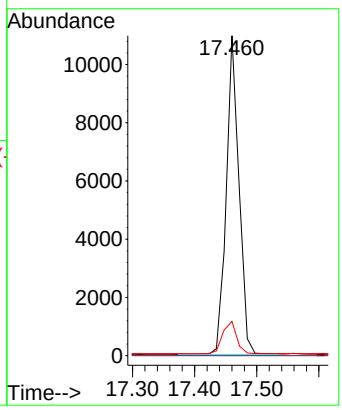


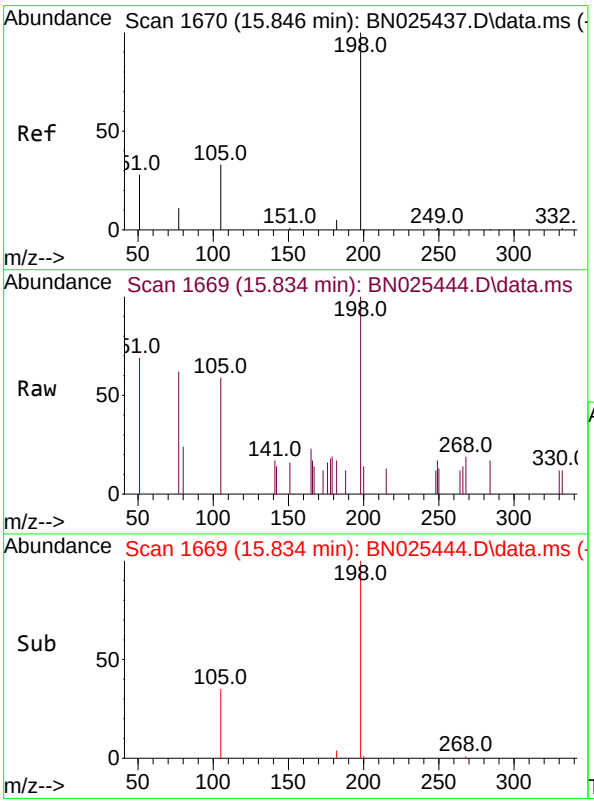
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.460 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:188 Resp: 15470

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	8.7	13.1

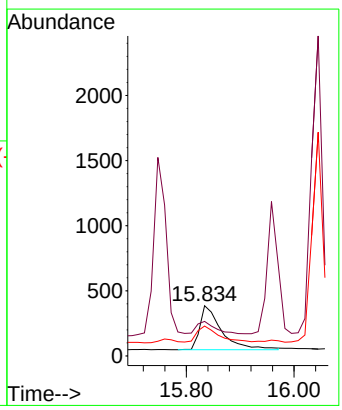


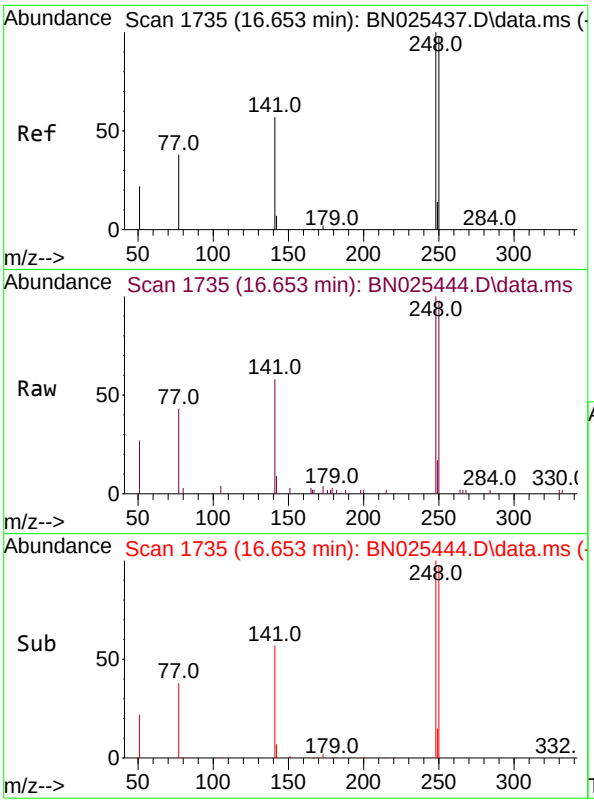


#20
4,6-Dinitro-2-methylphenol
Concen: 0.496 ng
RT: 15.834 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:198 Resp: 944

Ion	Ratio	Lower	Upper
198	100		
51	68.8	68.5	102.7
105	59.5	57.6	86.4



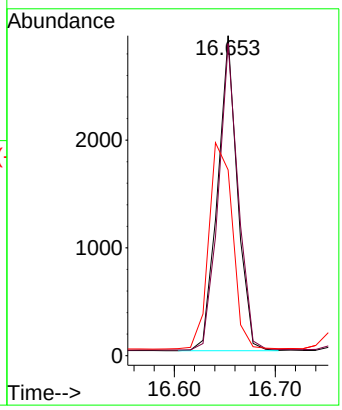


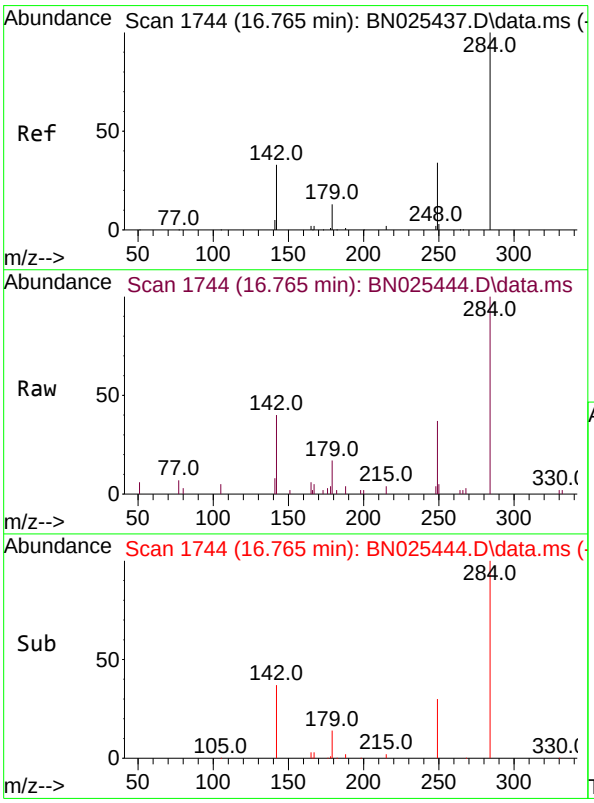
#21
4-Bromophenyl-phenylether
Concen: 0.444 ng
RT: 16.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:248 Resp: 3985

Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.0	118.4
141	58.0	46.5	69.7

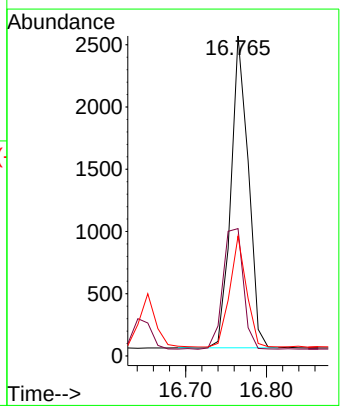


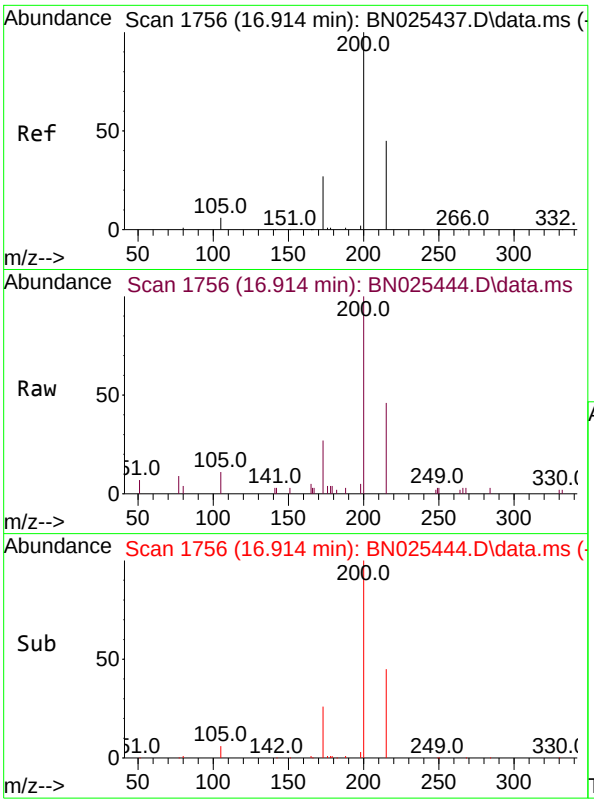


#22
Hexachlorobenzene
Concen: 0.448 ng
RT: 16.765 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:284 Resp: 3730

Ion	Ratio	Lower	Upper
284	100		
142	45.7	35.2	52.8
249	34.3	27.1	40.7



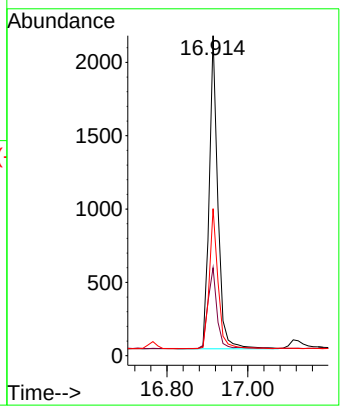


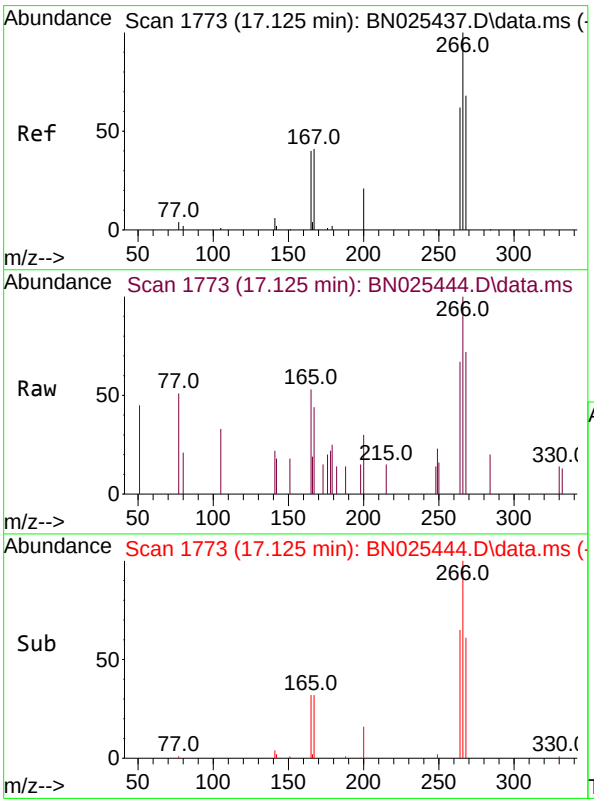
#23
Atrazine
Concen: 0.419 ng
RT: 16.914 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:200 Resp: 3162

Ion	Ratio	Lower	Upper
200	100		
173	27.5	22.4	33.6
215	46.0	36.7	55.1

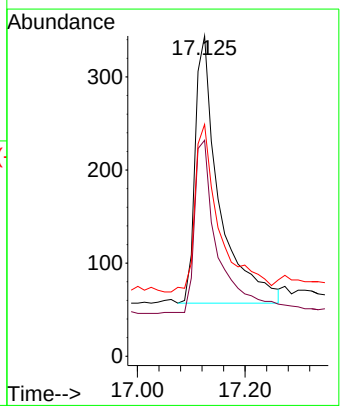


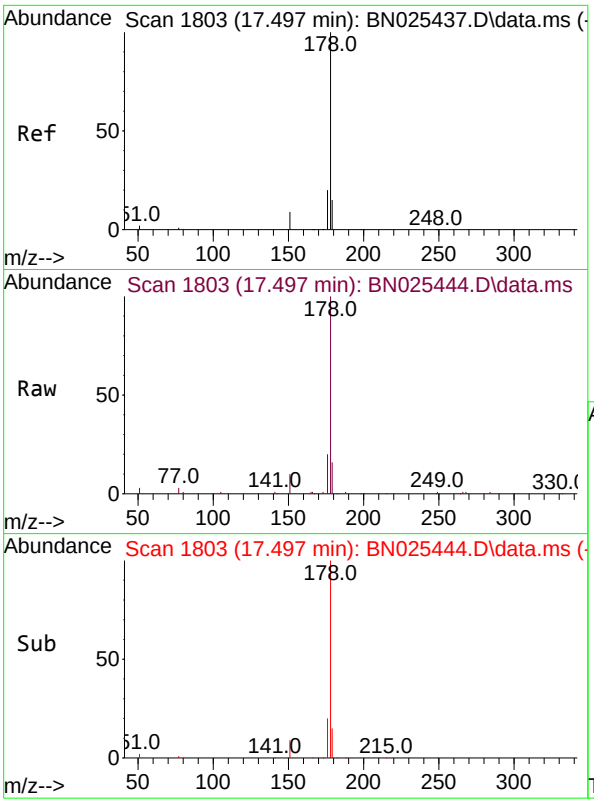


#24
Pentachlorophenol
Concen: 0.422 ng
RT: 17.125 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:266 Resp: 888

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.5	74.3
268	63.7	51.0	76.4



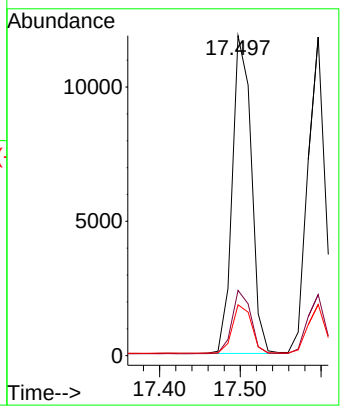


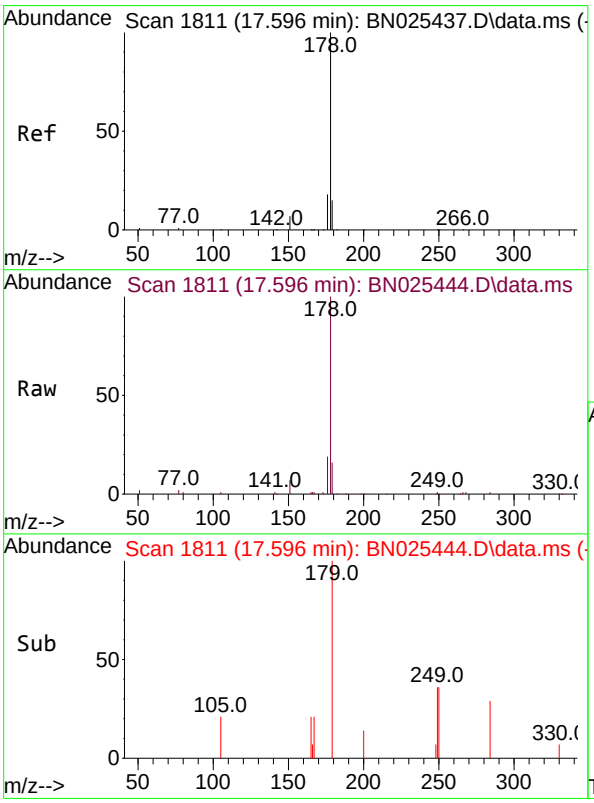
#25
Phenanthrene
Concen: 0.444 ng
RT: 17.497 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:178 Resp: 19313

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.4	12.2	18.4

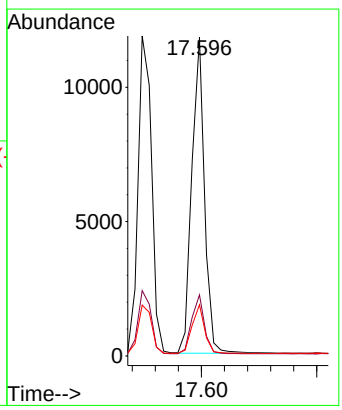


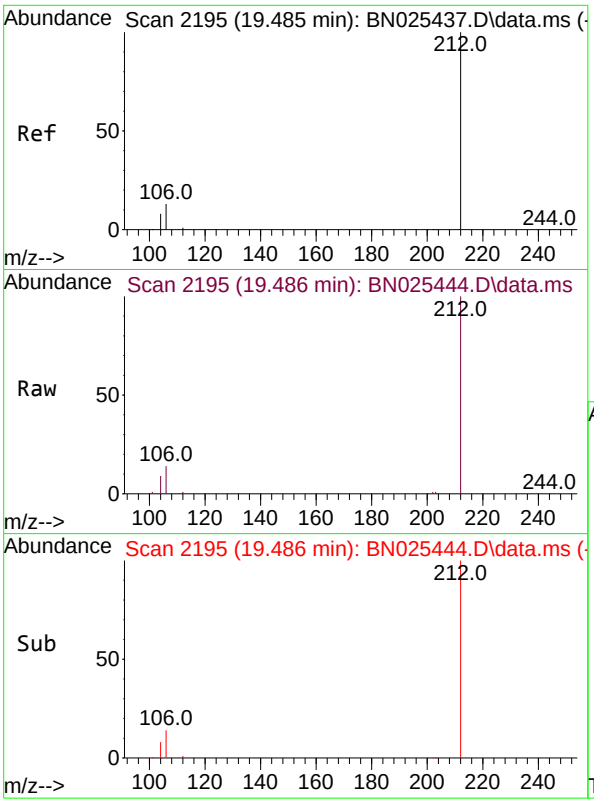


#26
Anthracene
Concen: 0.426 ng
RT: 17.596 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:178 Resp: 17951

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.1	18.1



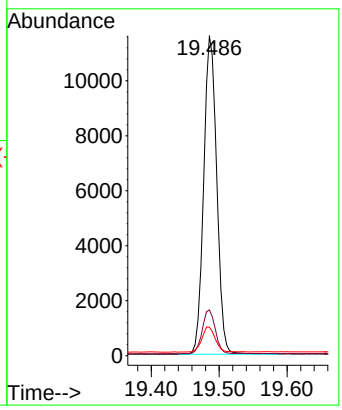


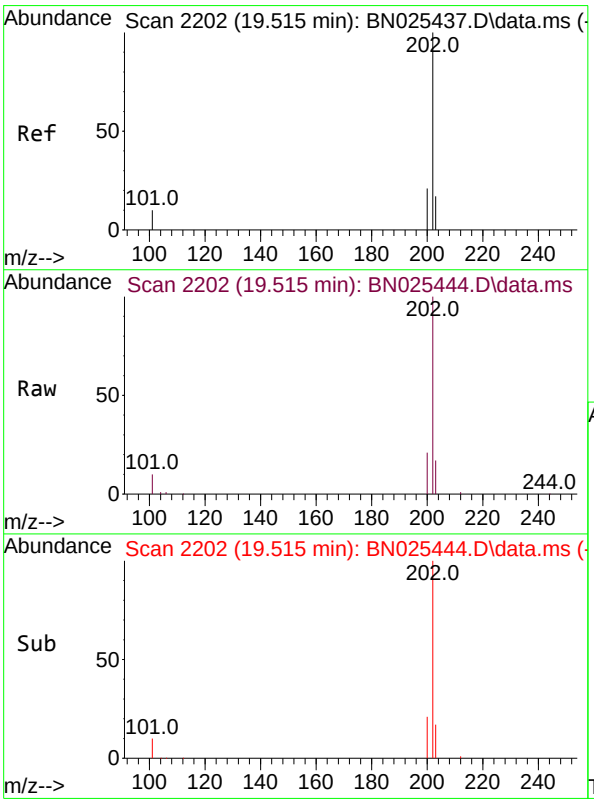
#27
Fluoranthene-d10
Concen: 0.419 ng
RT: 19.486 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:212 Resp: 15421

Ion	Ratio	Lower	Upper
212	100		
106	13.8	11.1	16.7
104	8.0	6.6	10.0

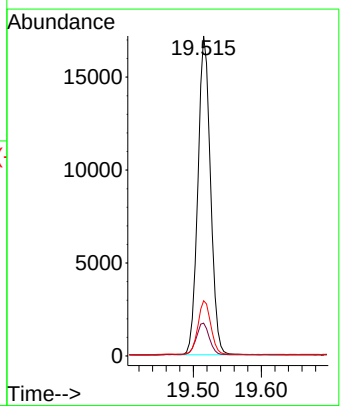


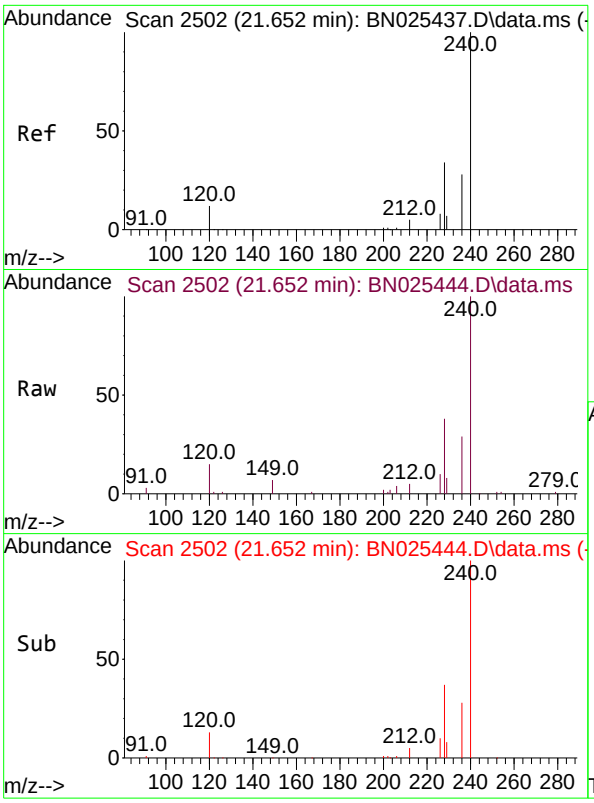


#28
Fluoranthene
Concen: 0.430 ng
RT: 19.515 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:202 Resp: 22156

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.6	13.0
203	17.1	13.9	20.9



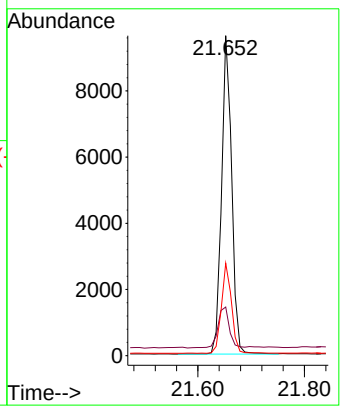


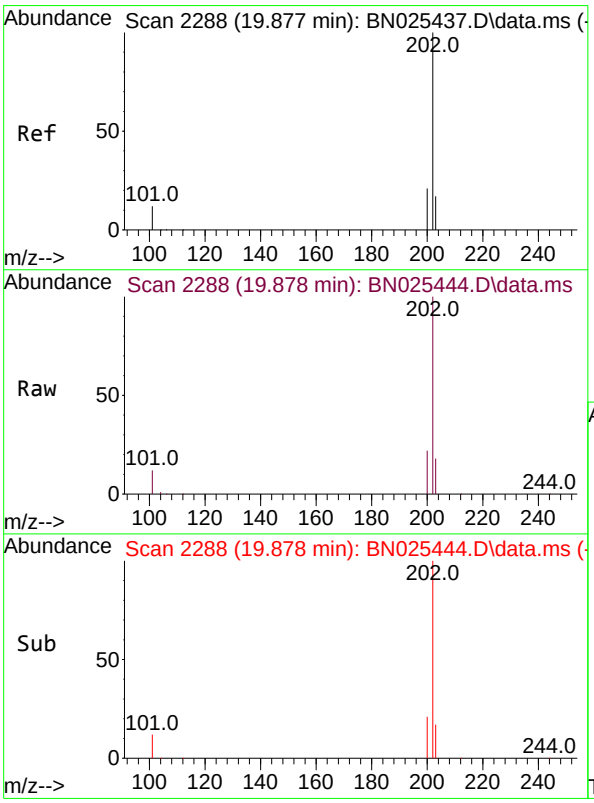
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.652 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:240 Resp: 12720

Ion	Ratio	Lower	Upper
240	100		
120	15.2	11.6	17.4
236	28.9	22.9	34.3

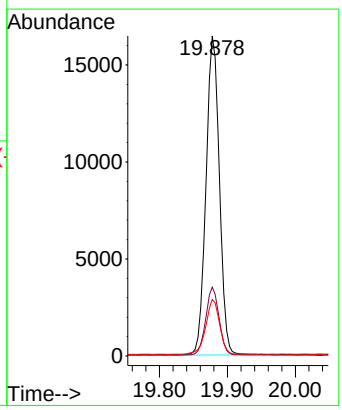


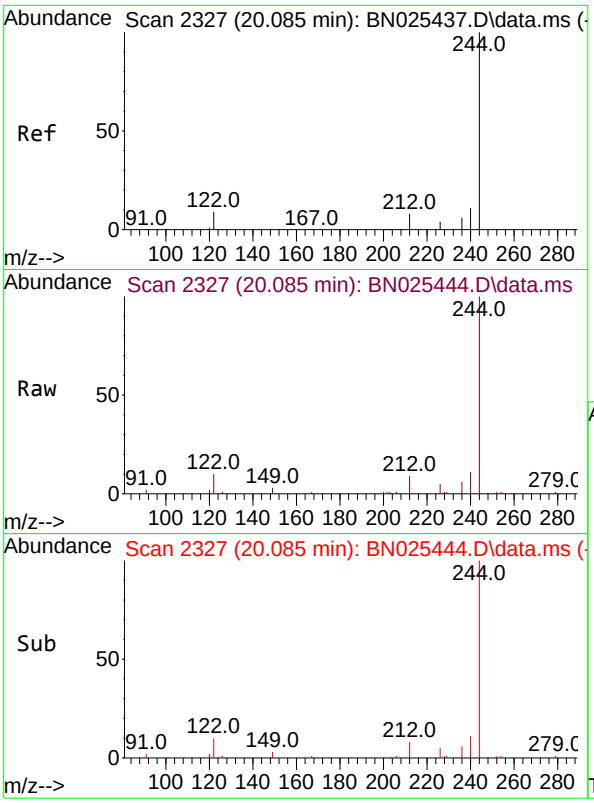


#30
Pyrene
Concen: 0.462 ng
RT: 19.878 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:202 Resp: 22423

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.2	21.4



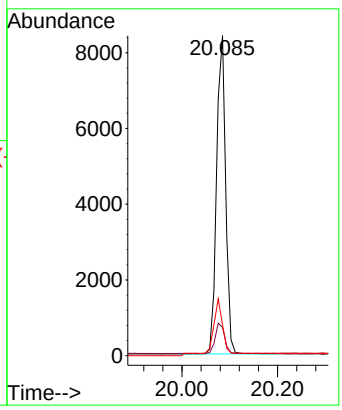


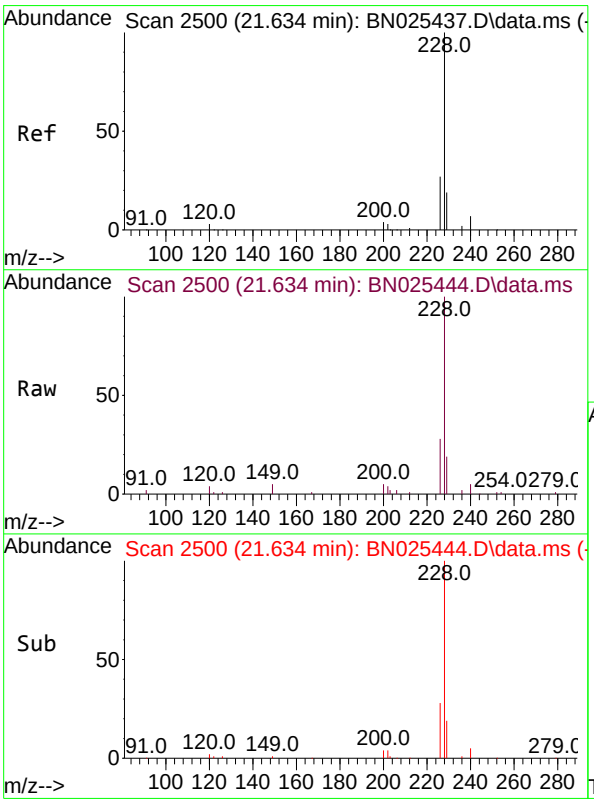
#31
Terphenyl-d14
Concen: 0.447 ng
RT: 20.085 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:244 Resp: 10323

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.9	10.3
122	9.7	7.4	11.2

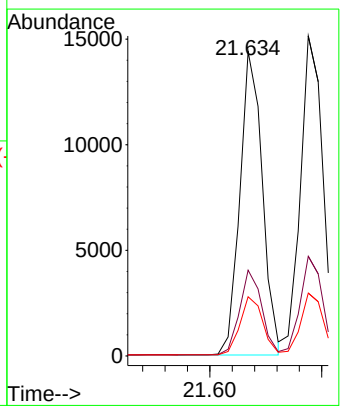


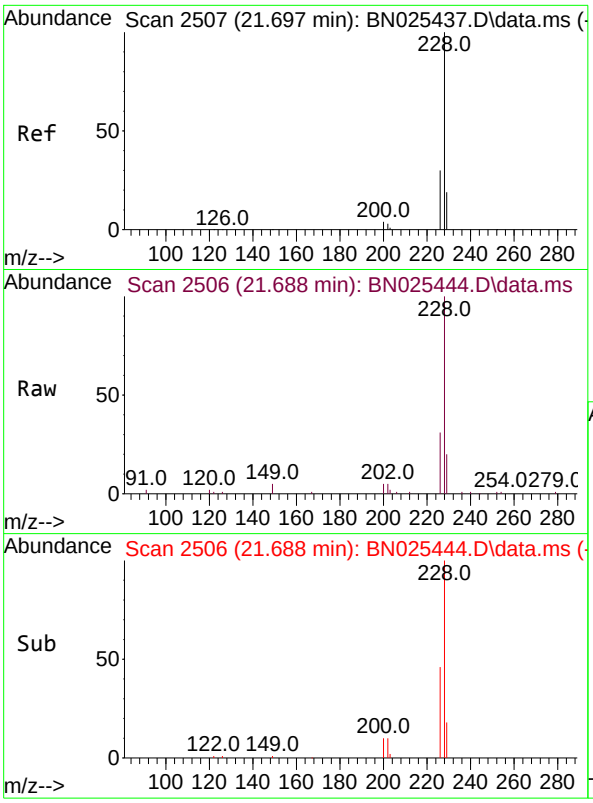


#32
Benzo(a)anthracene
Concen: 0.449 ng
RT: 21.634 min Scan# 2500
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:228 Resp: 20065

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	19.5	15.4	23.2



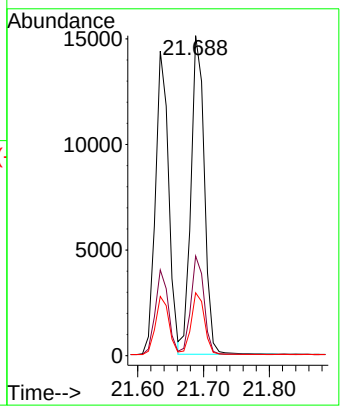


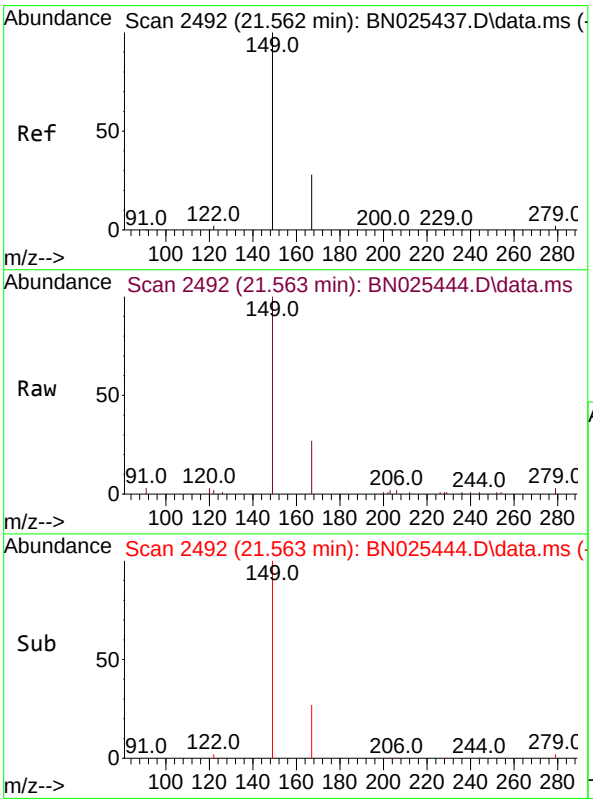
#33
Chrysene
Concen: 0.478 ng
RT: 21.688 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:228 Resp: 21225

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	19.6	15.8	23.6

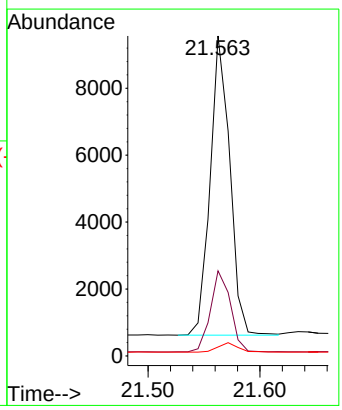


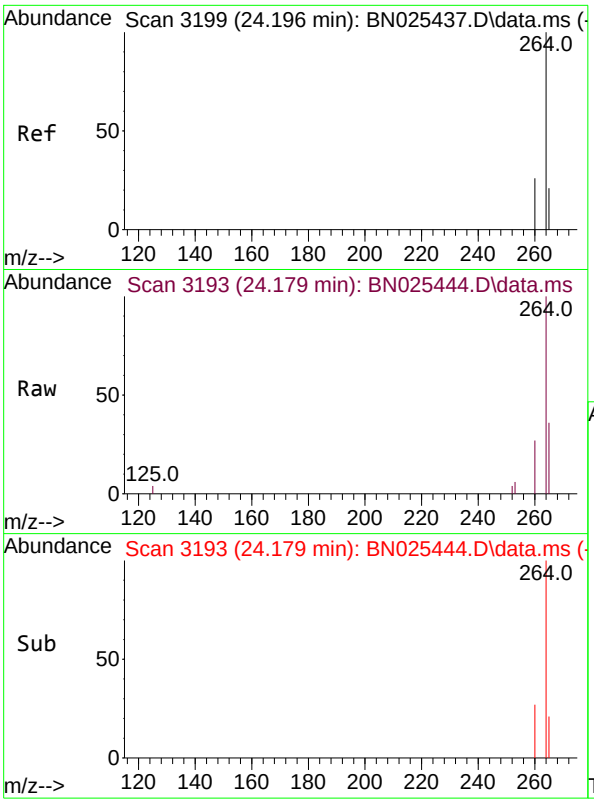


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.416 ng
RT: 21.563 min Scan# 2492
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:149 Resp: 10887

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	3.3	2.5	3.7



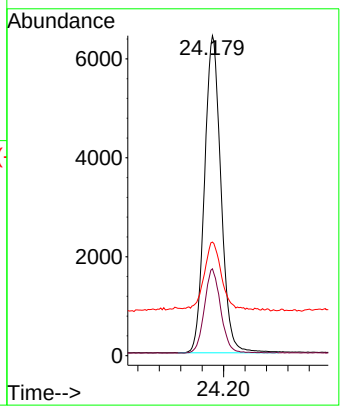


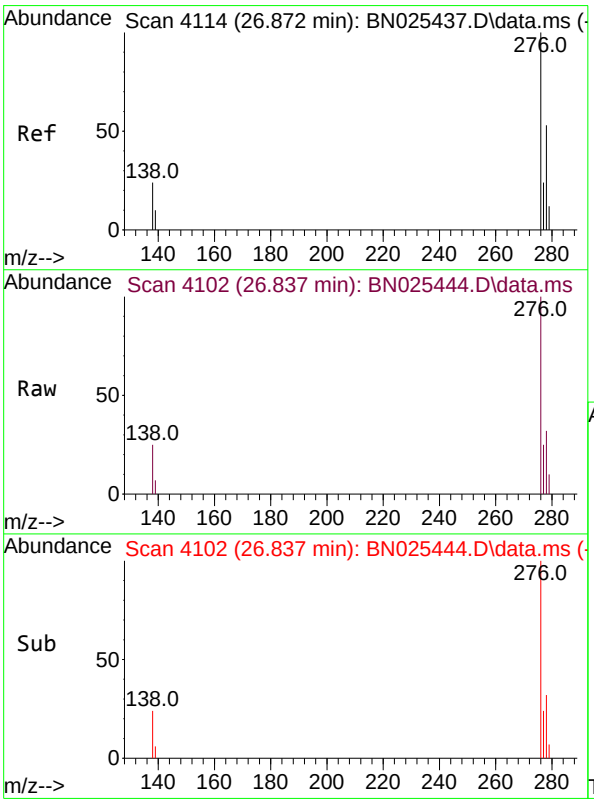
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.179 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:264 Resp: 13636

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.0	31.6
265	35.5	25.5	38.3

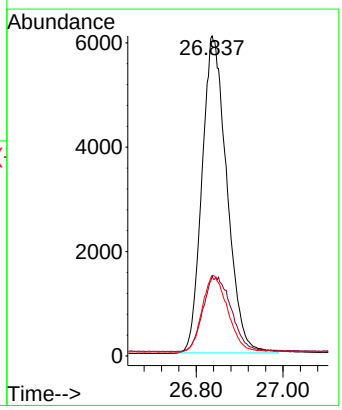


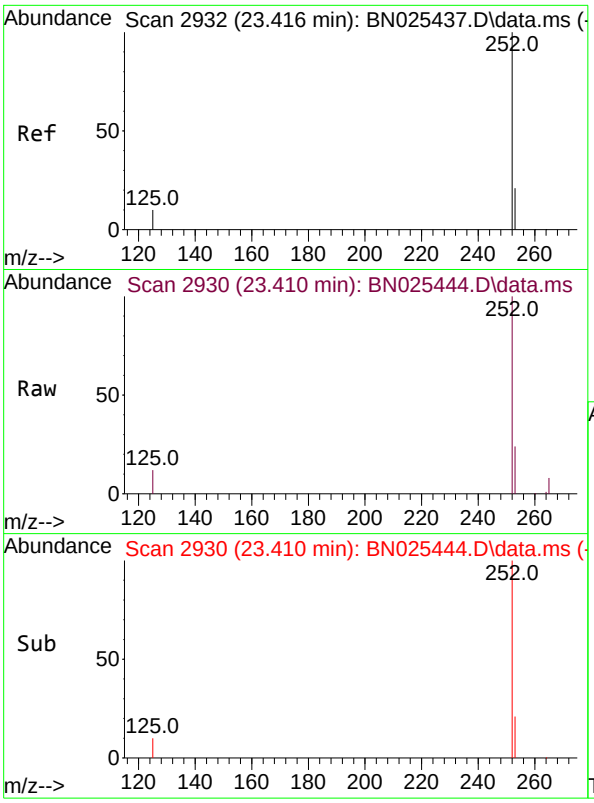


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 26.837 min Scan# 4102
Delta R.T. -0.035 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:276 Resp: 24107

Ion	Ratio	Lower	Upper
276	100		
138	11.5	21.0	31.6#
277	24.9	19.8	29.6



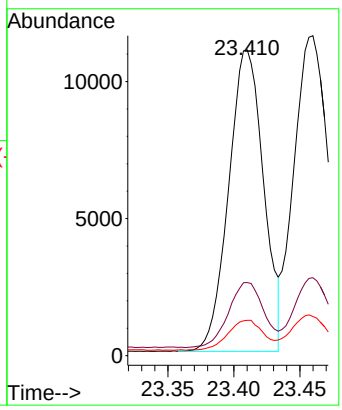


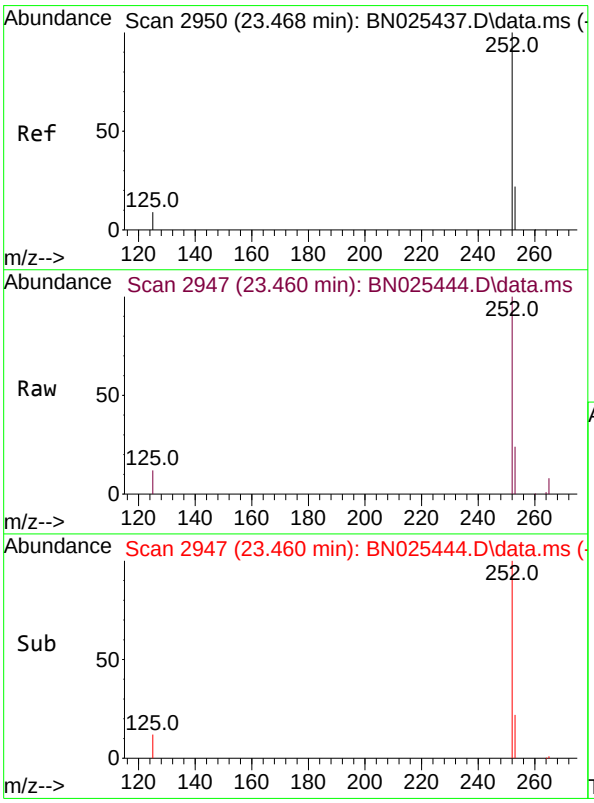
#37
Benzo(b)fluoranthene
Concen: 0.425 ng
RT: 23.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:252 Resp: 20299

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.4
125	11.6	9.4	14.2

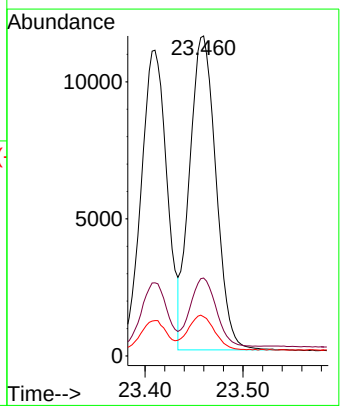


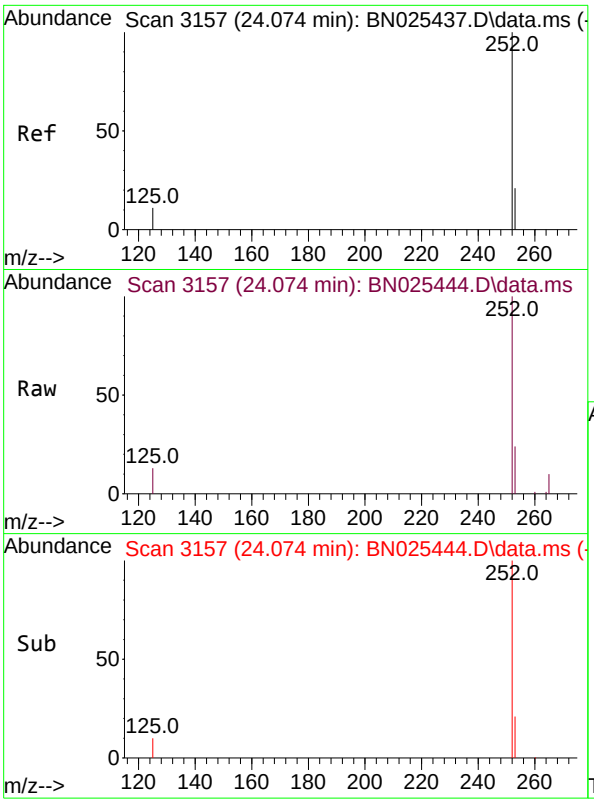


#38
Benzo(k)fluoranthene
Concen: 0.437 ng
RT: 23.460 min Scan# 2947
Delta R.T. -0.009 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:252 Resp: 21436

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.1	28.7
125	12.2	9.5	14.3



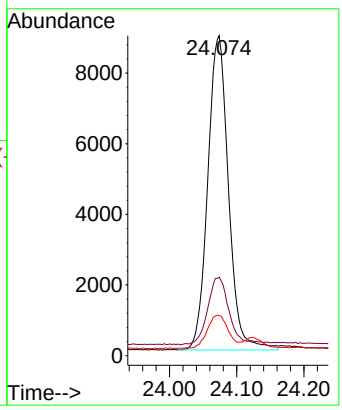


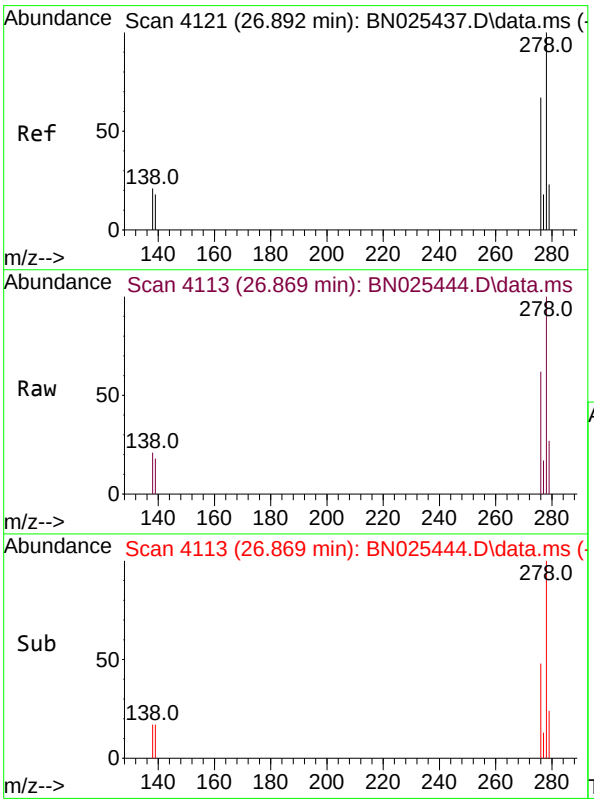
#39
Benzo(a)pyrene
Concen: 0.418 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:252 Resp: 19048

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.5	29.3
125	12.5	10.2	15.4

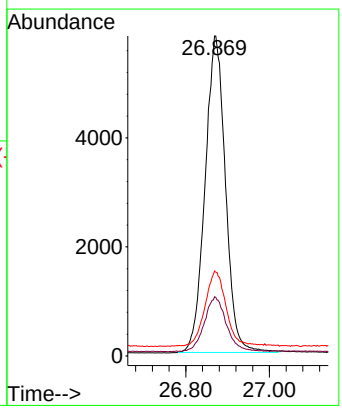


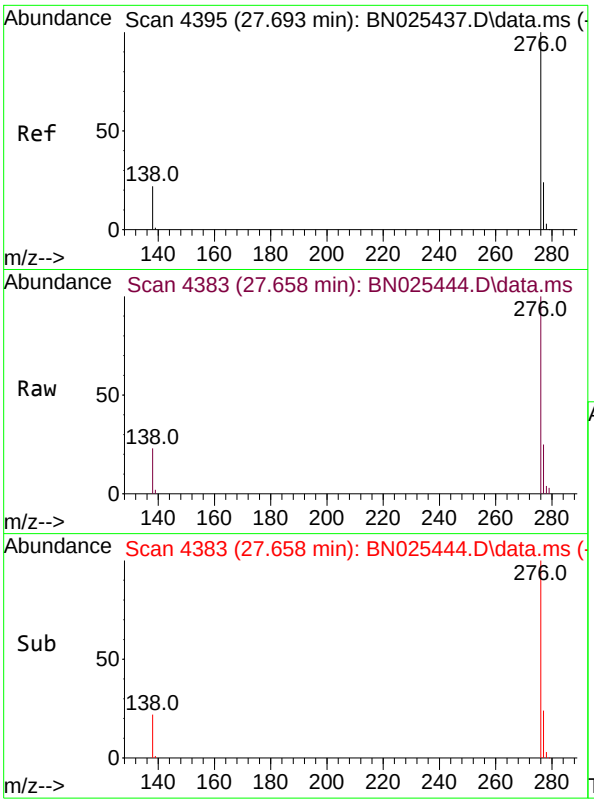


#40
Dibenzo(a,h)anthracene
Concen: 0.445 ng
RT: 26.869 min Scan# 4113
Delta R.T. -0.023 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Tgt Ion:278 Resp: 19676

Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.0	22.4
279	26.5	20.1	30.1





#41
Benzo(g,h,i)perylene
Concen: 0.450 ng
RT: 27.658 min Scan# 4
Delta R.T. -0.035 min
Lab File: BN025444.D
Acq: 16 May 2023 15:36

Instrument :
BNA_N
ClientSampleId :
PB152832BS

Tgt Ion:276 Resp: 21014

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	23.3	19.0	28.6